

FIG. 1

GENERIC DUV/AF (193nm) /4X
 NA=0.75, QUASAR (0.87, 0.57)

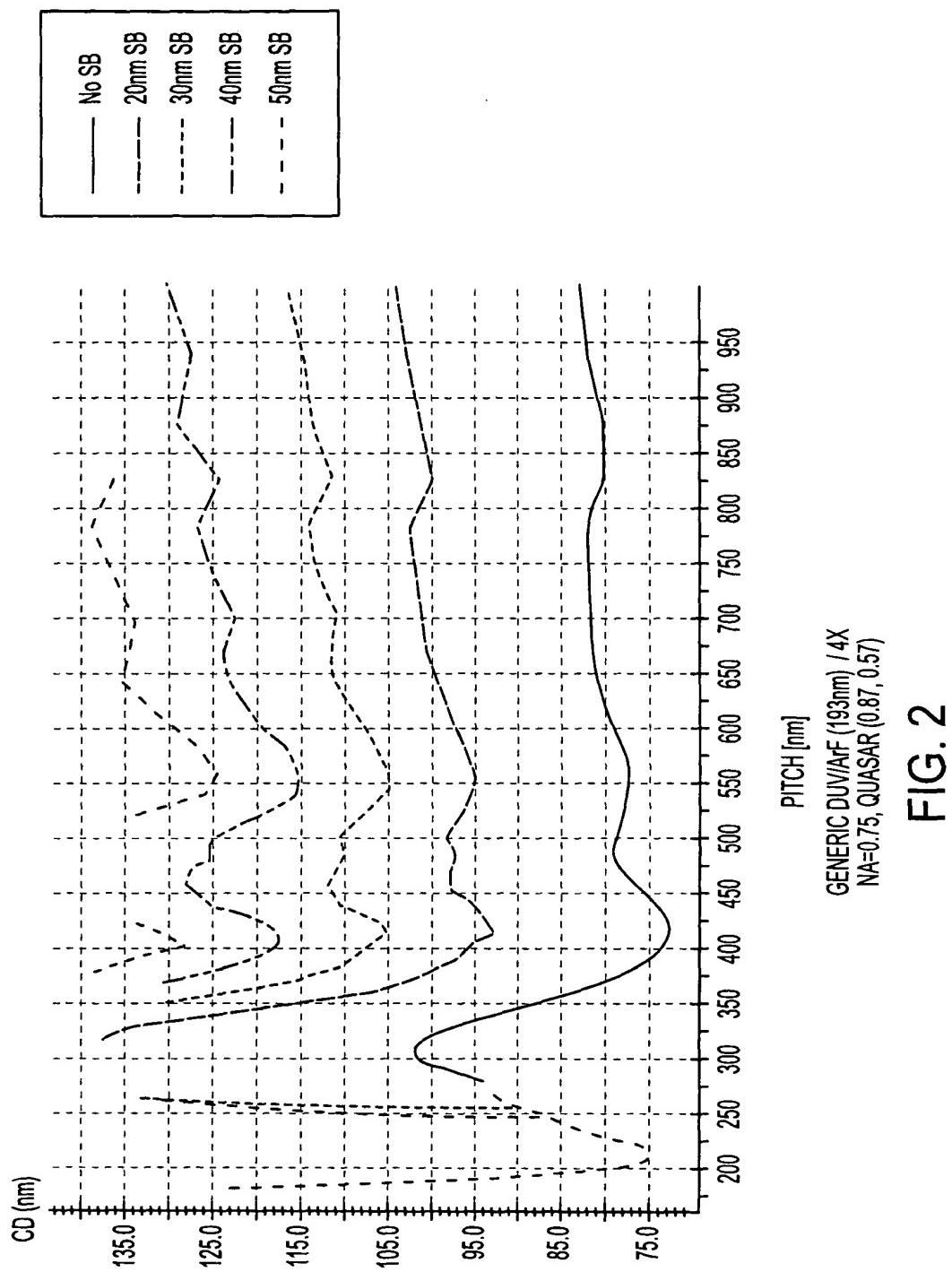


FIG. 2

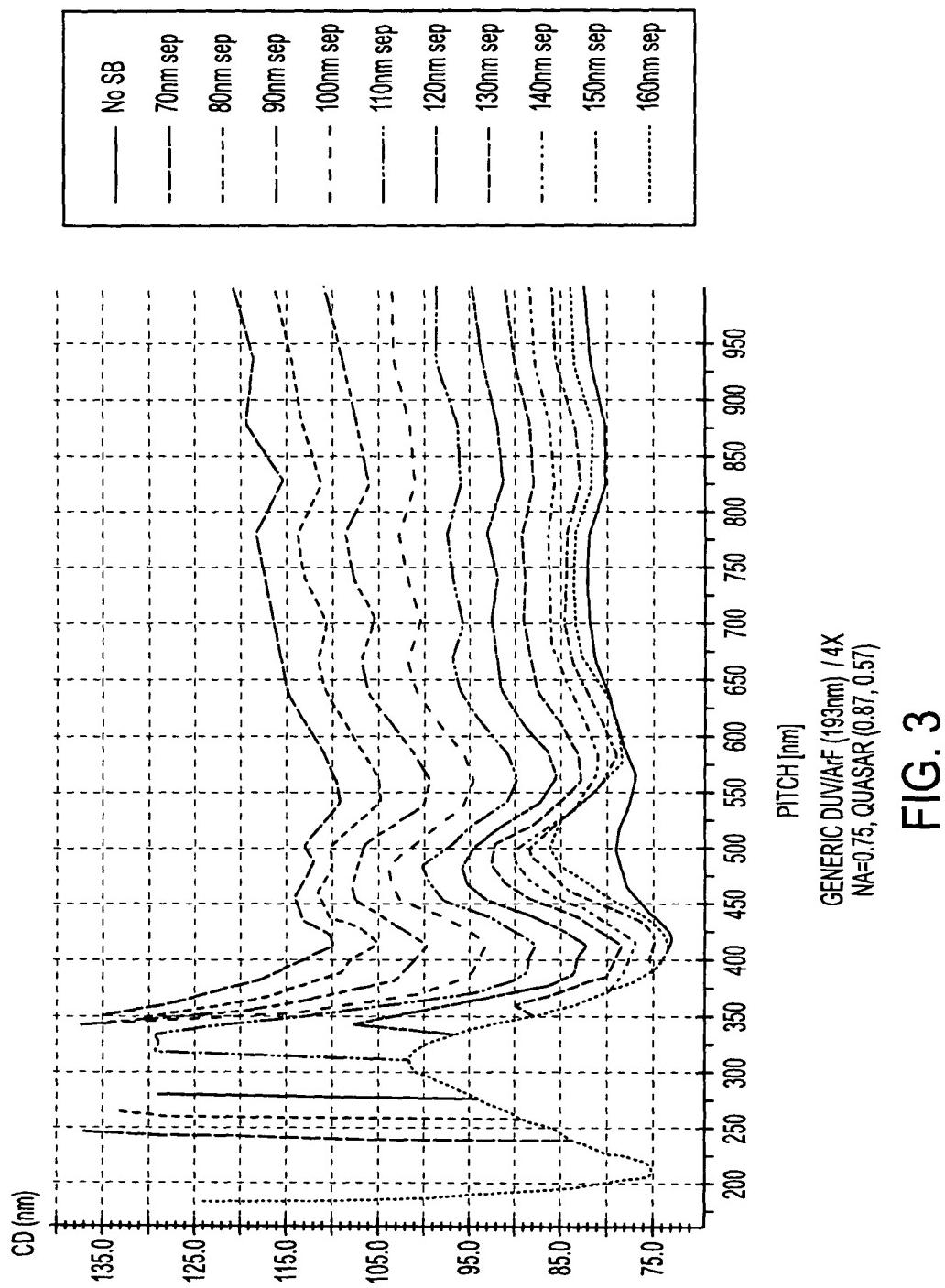


FIG. 3

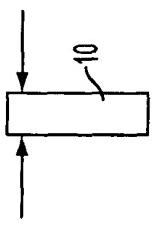


FIG. 4a

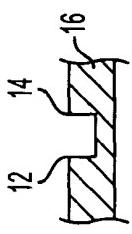


FIG. 4b

PITCH = 300nm
QUASAR ILLUMINATION SETTING:
.85 OUTER/.55 INNER/30 DEGREE

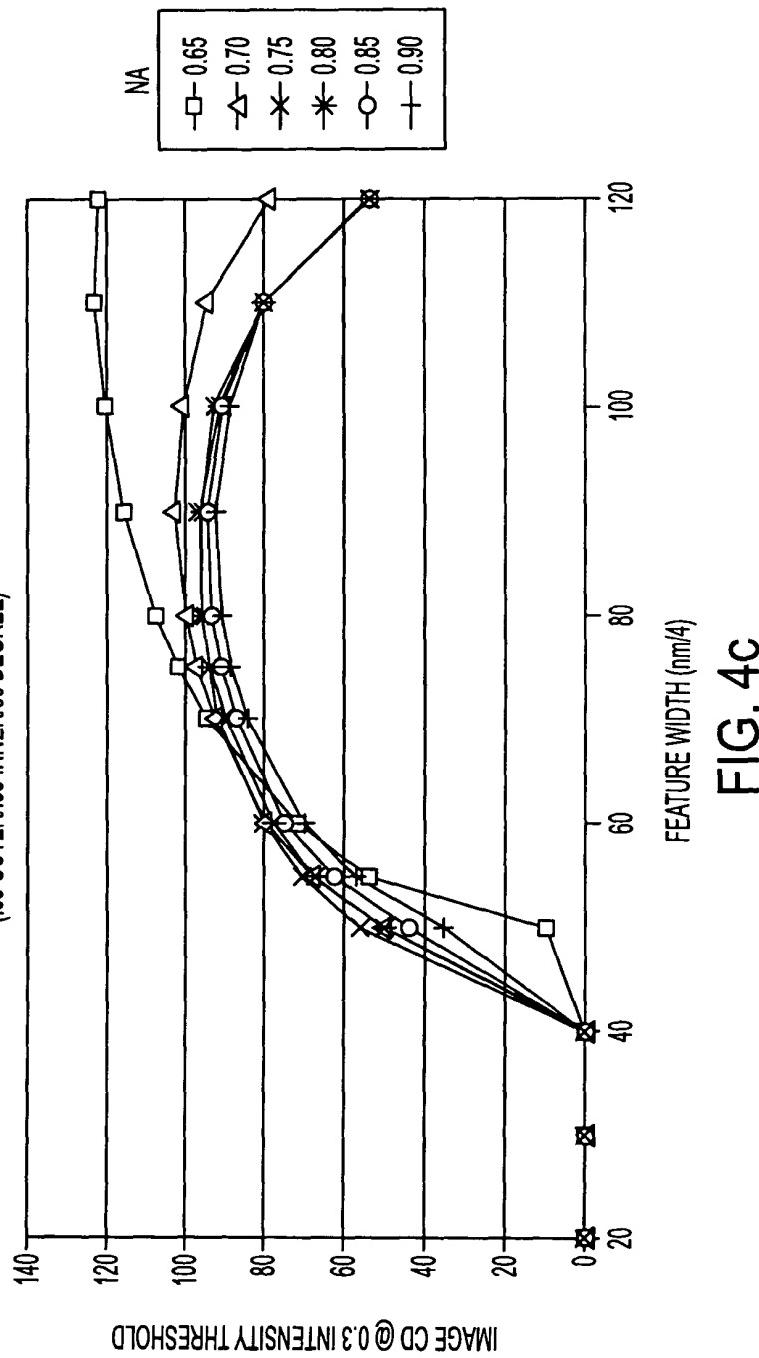


FIG. 4c

IMAGE CD @ 0.3 INTENSITY THRESHOLD

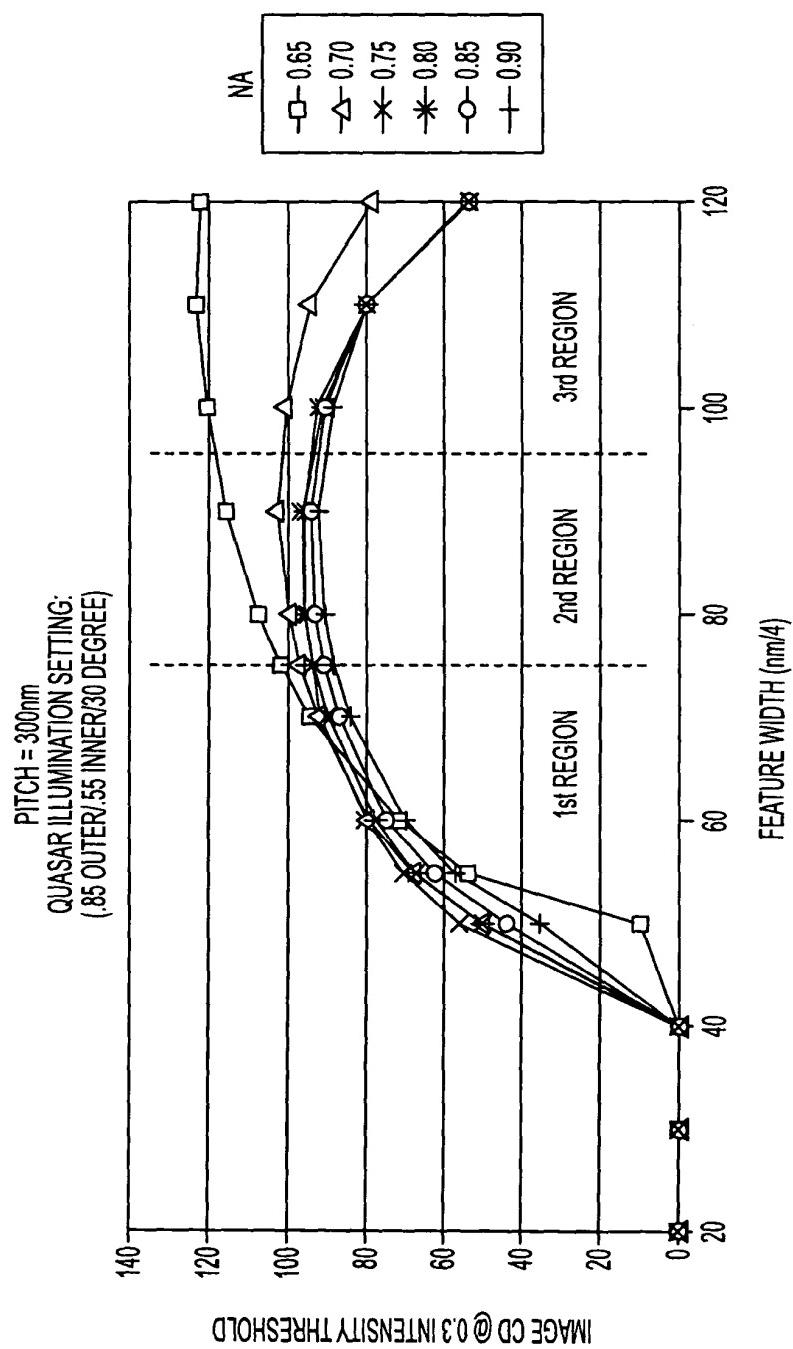


FIG. 5

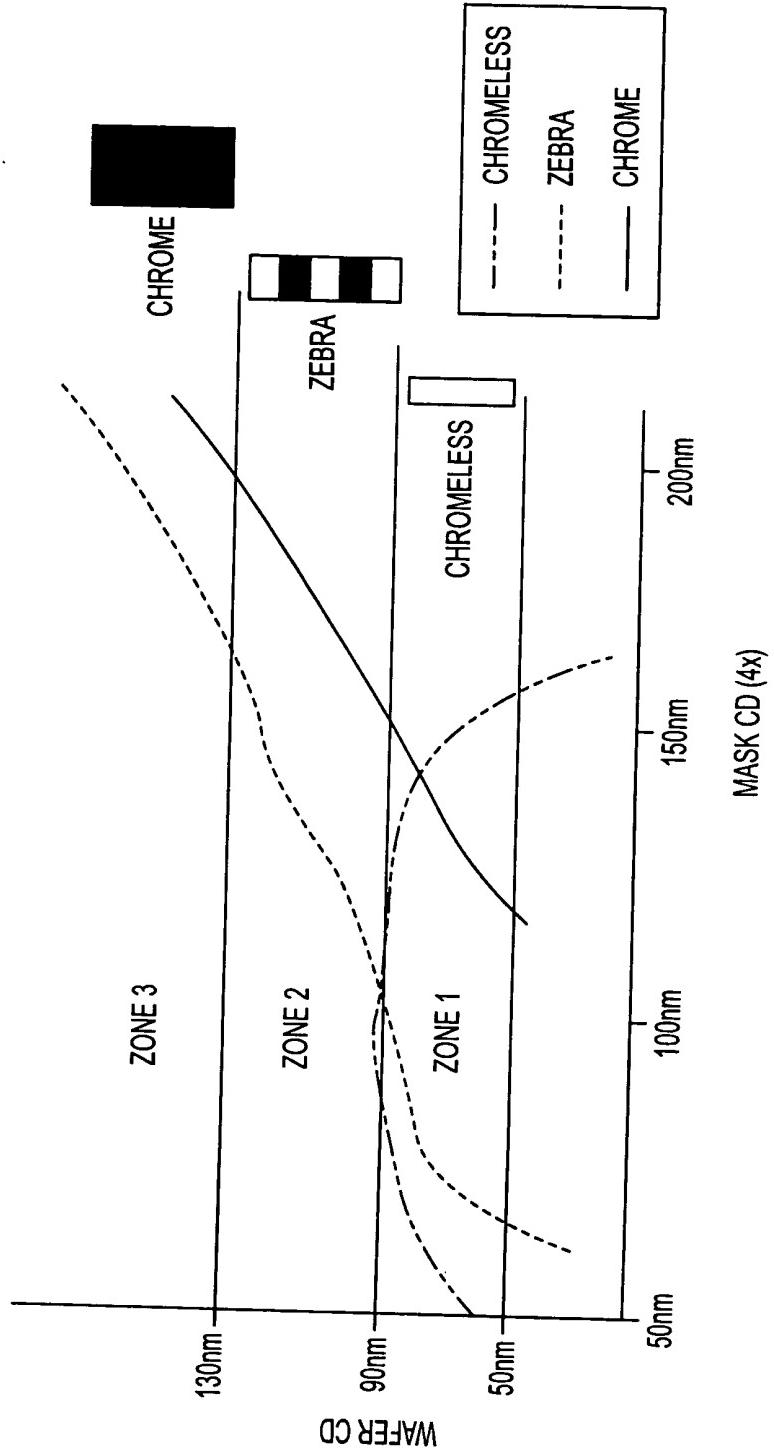


FIG. 6

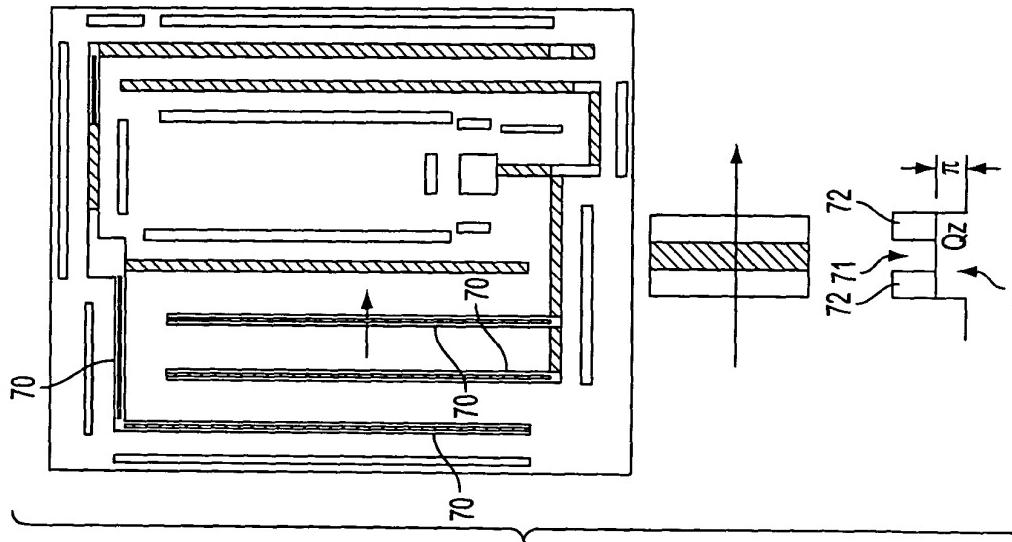


FIG. 7a

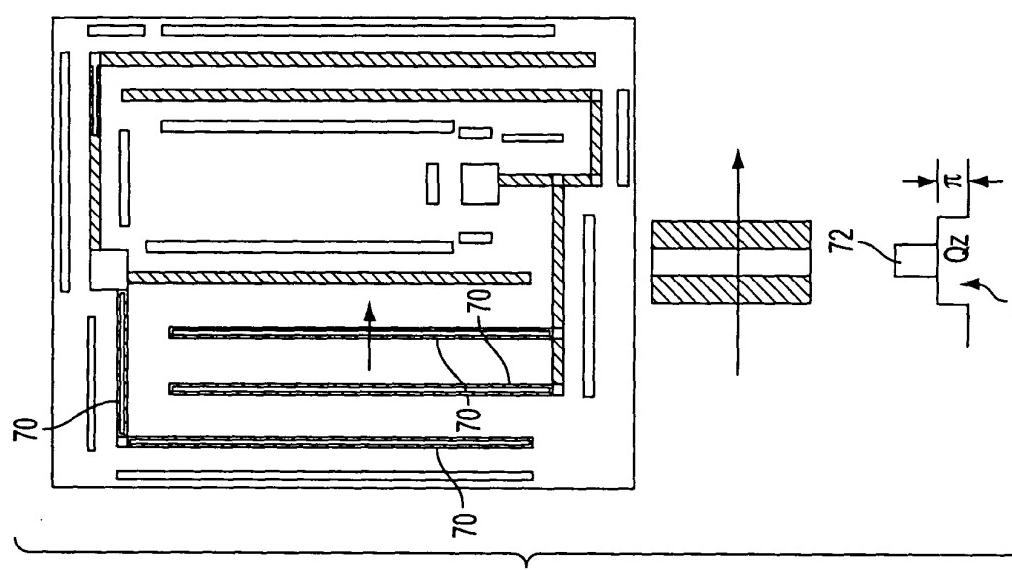


FIG. 7b

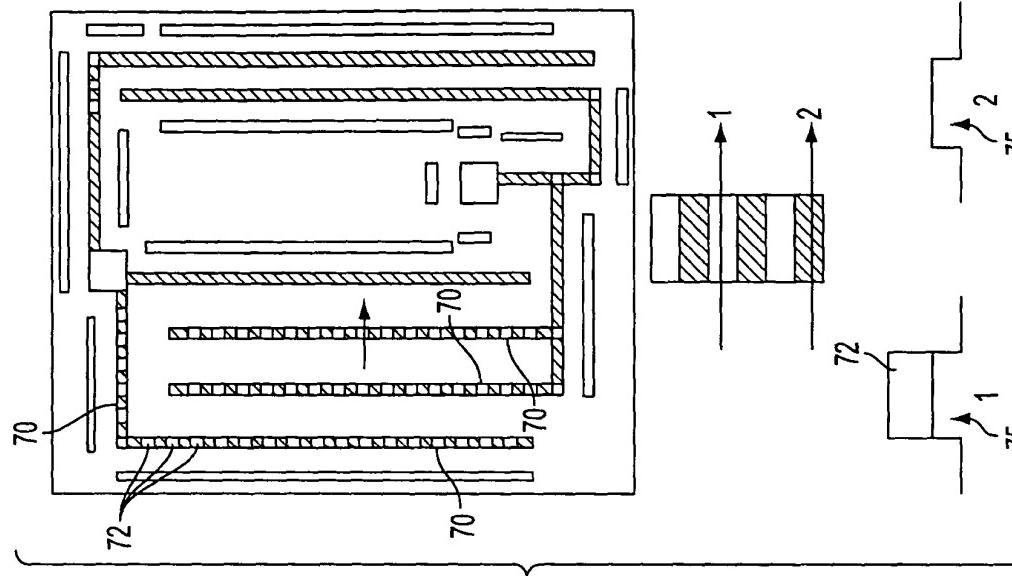


FIG. 7c

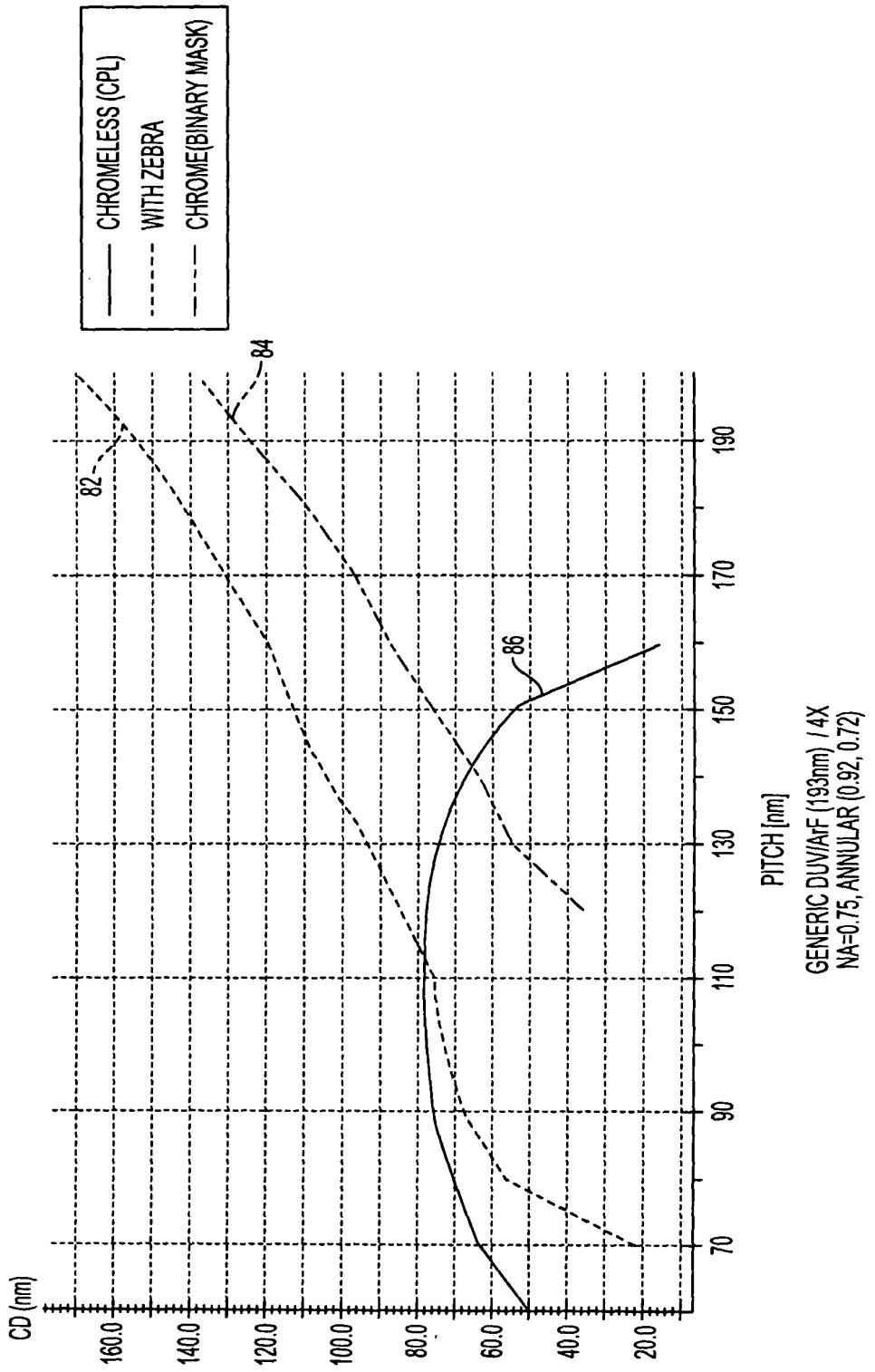


FIG. 8

FIG. 9c

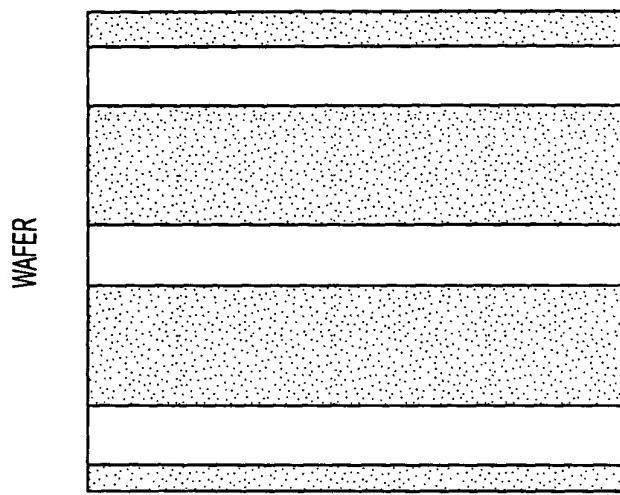


FIG. 9b

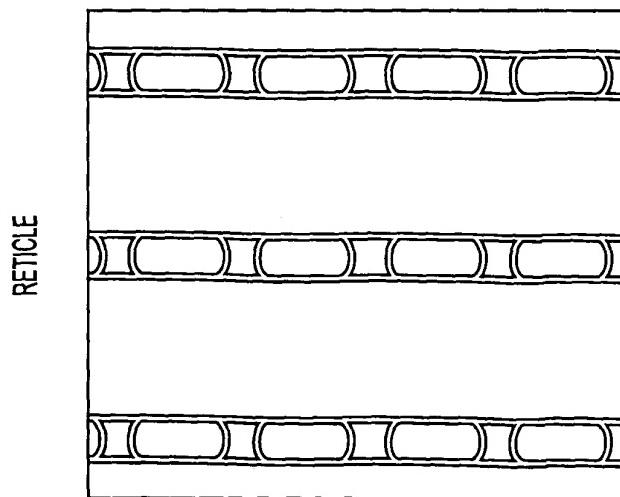
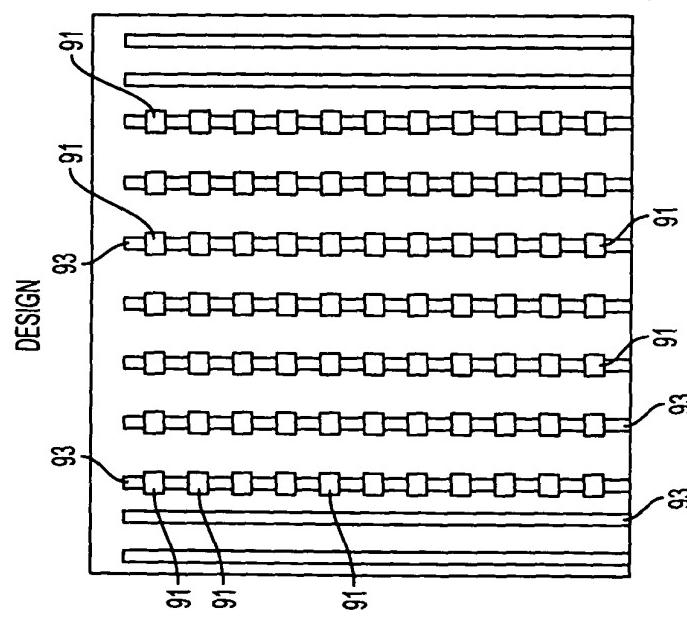


FIG. 9a



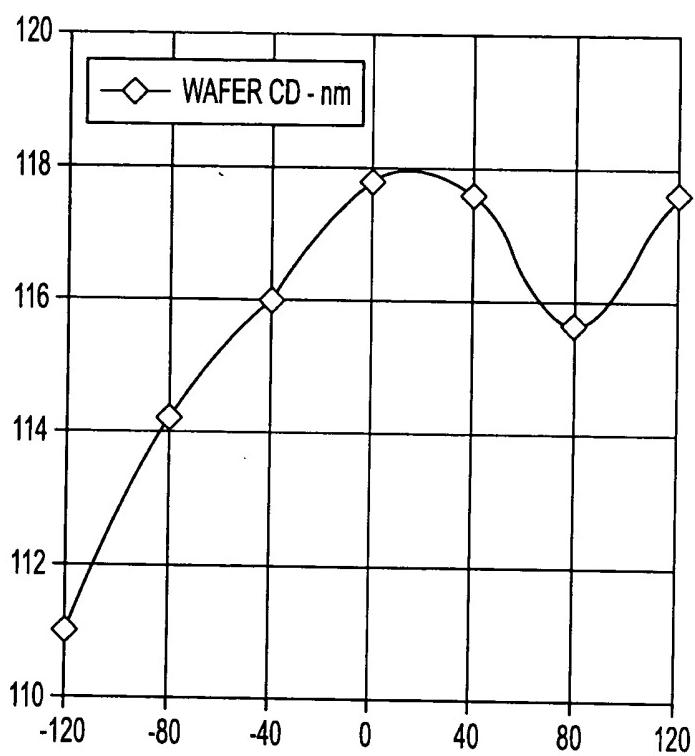


FIG. 10

FIG. 11b

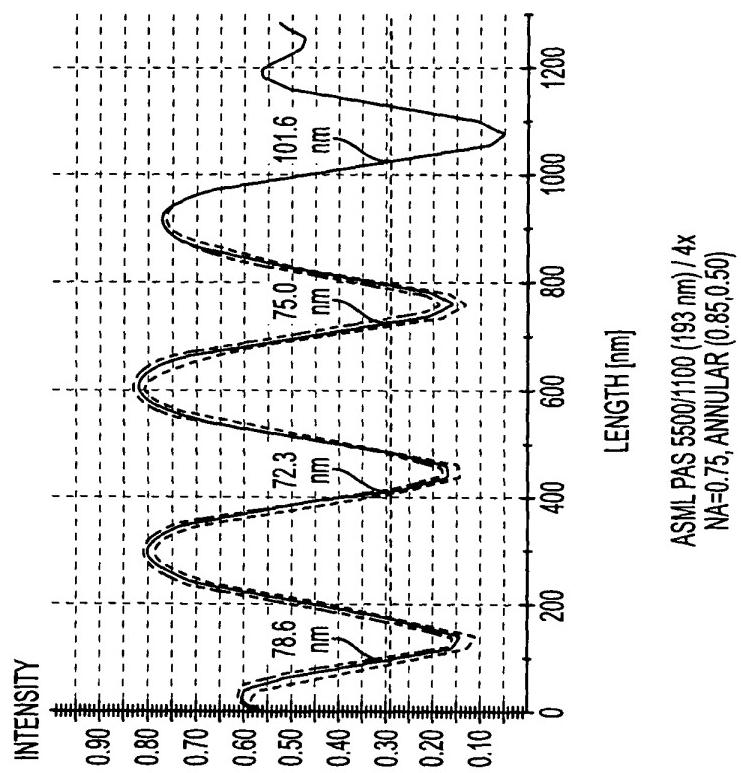
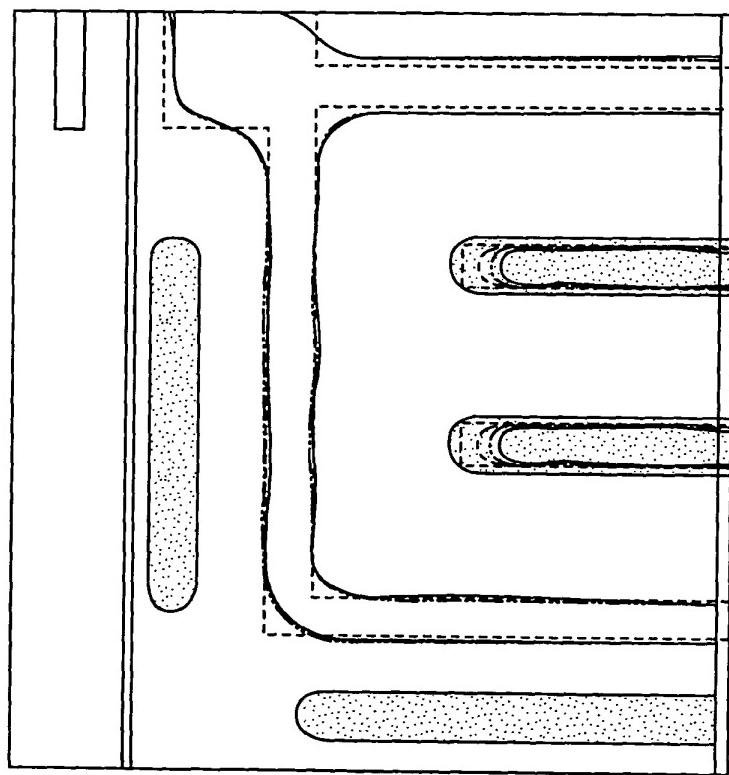


FIG. 11a



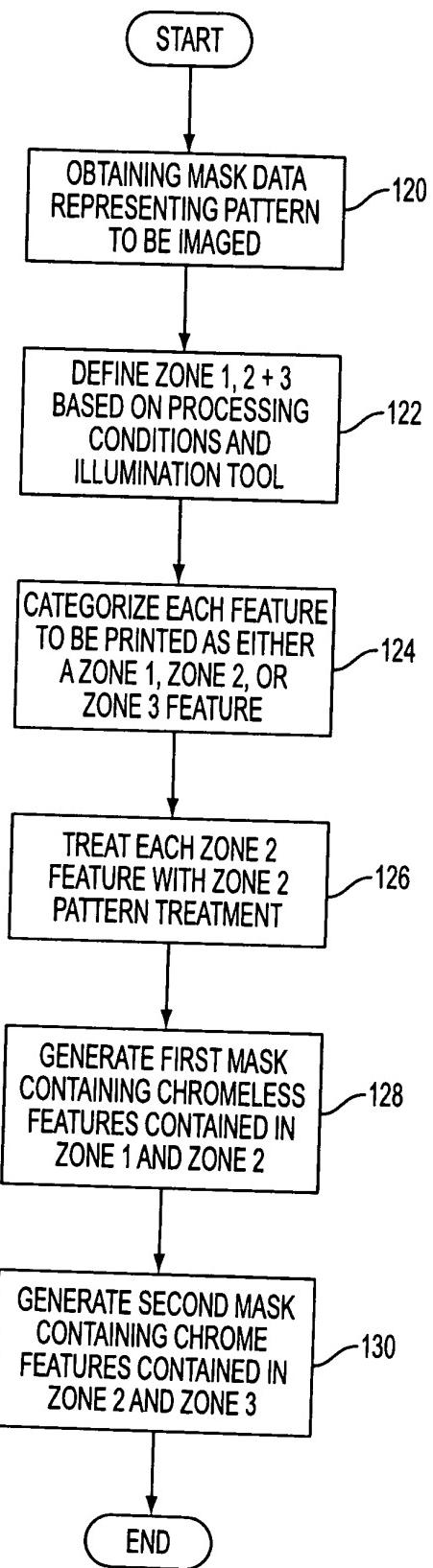


FIG. 12

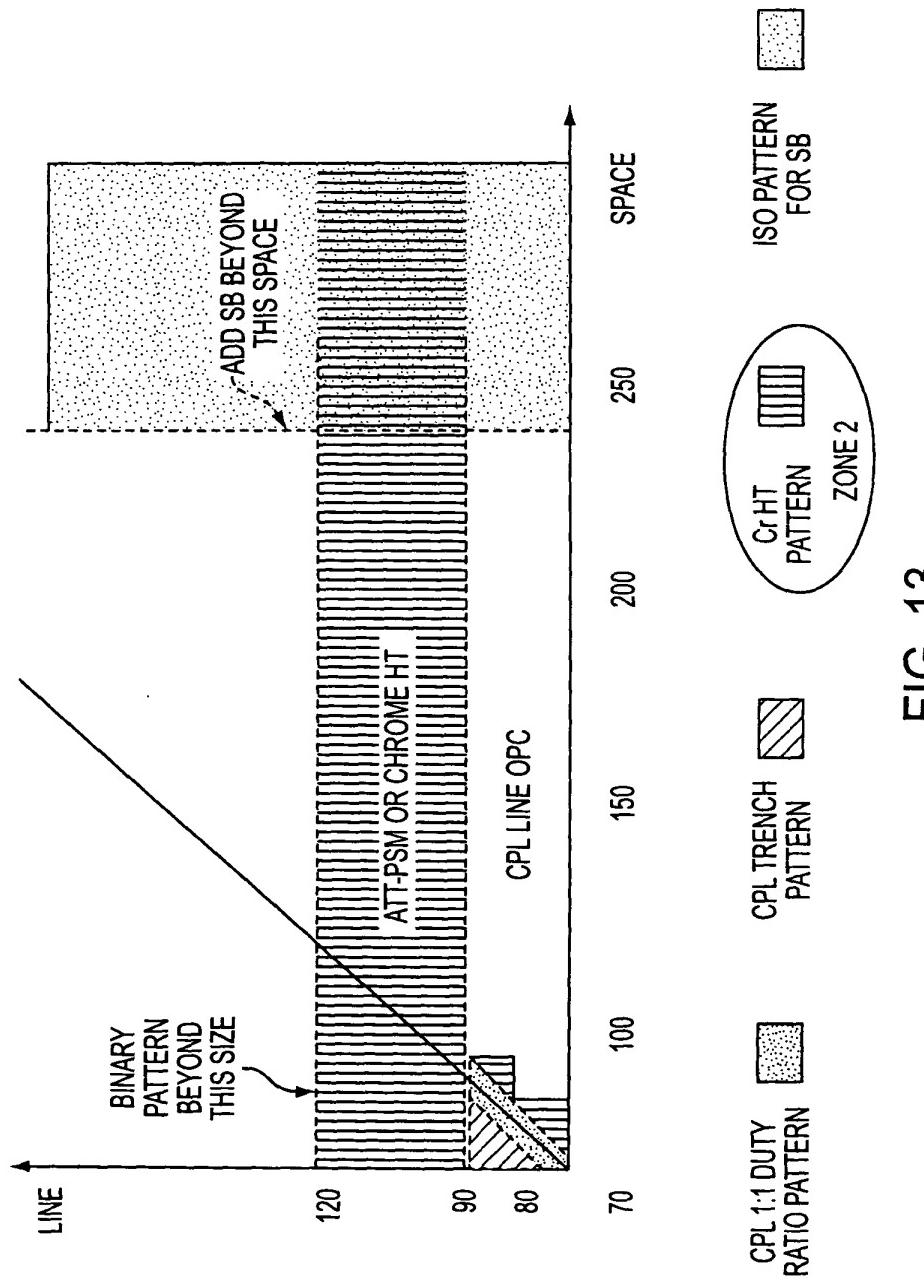


FIG. 13

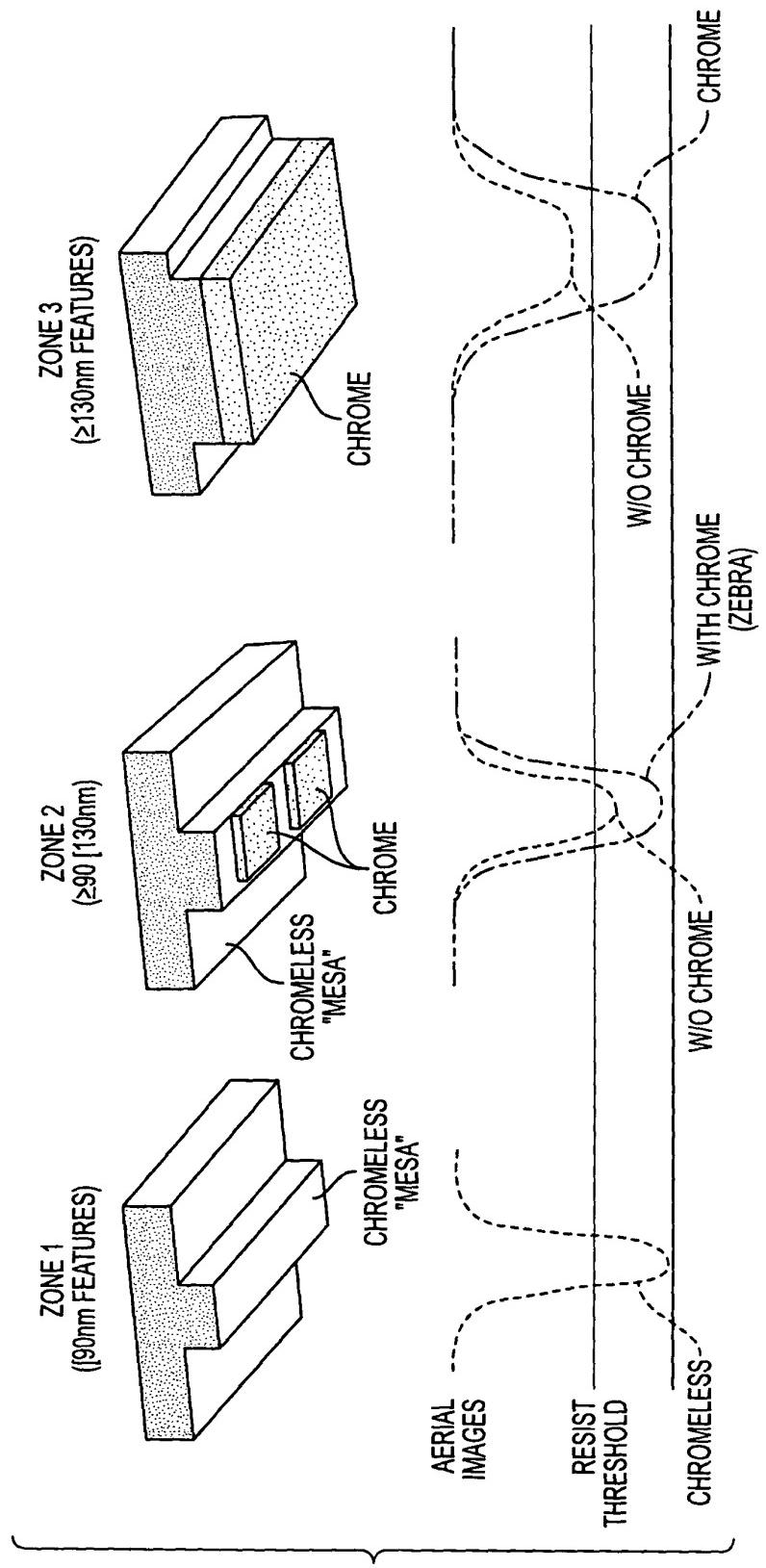


FIG. 14

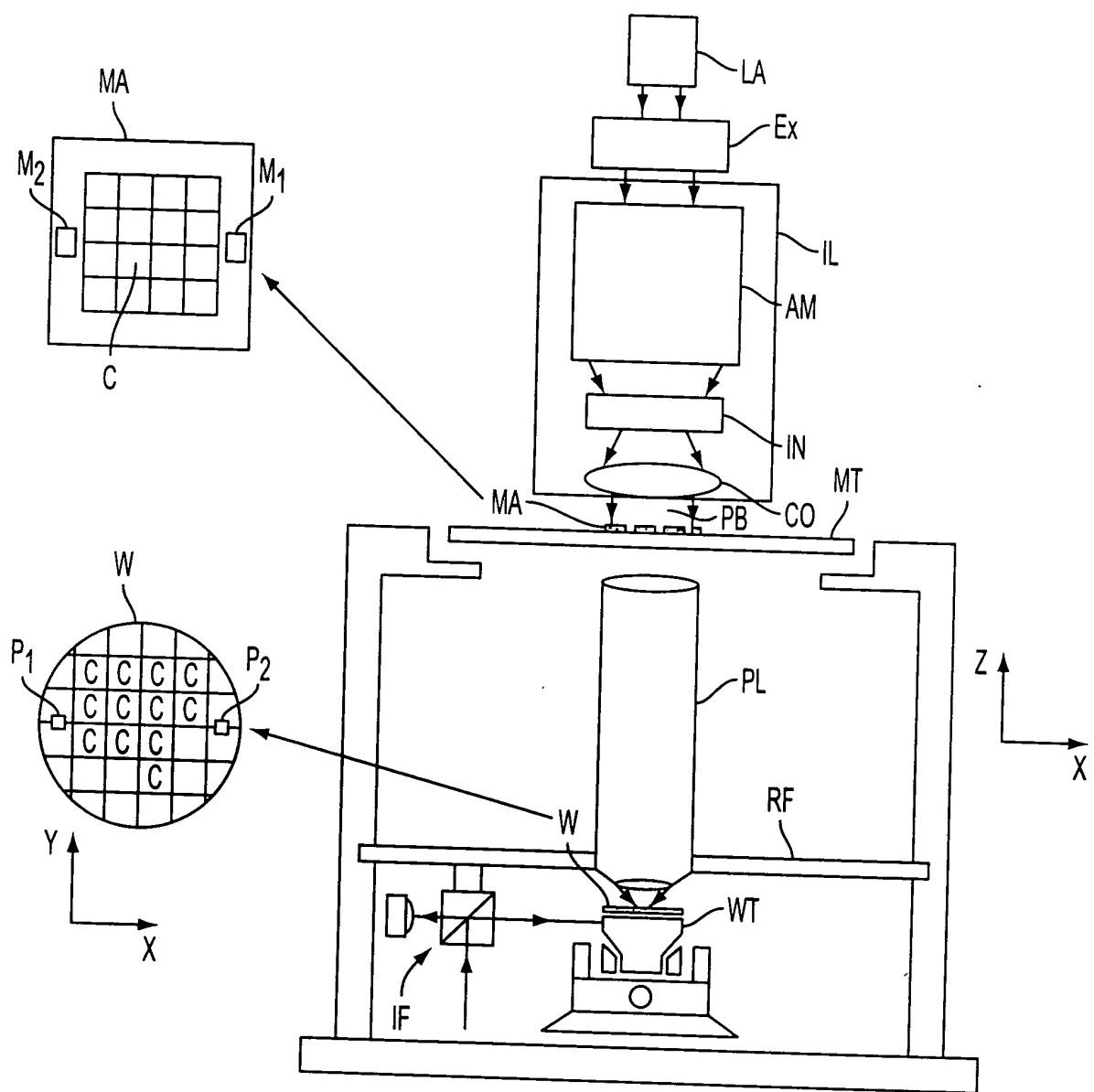


FIG. 15